AMENDMENTS

In the Claims

Please amend Claims 1 and 6 as follows:

1.(THRICE AMENDED) A method for forming within a silicon semiconductor substrate employed within a microelectronics fabrication/a silicon oxide dielectric layer comprising:

providing a silicon semiconductor substrate;

forming over the silicon semiconductor substrate a patterned silicon nitride mask layer; and

oxidizing the silicon semiconductor substrate locally at a first oxidation temperature of at least above 1100 degrees centigrade through the silicon nitride mask pattern, to form silicon oxide dielectric layers which prevent out-diffusion of nitrogen species from the silicon nitride mask layer, thereby minimizing formation of silicon oxynitride inclusions within the silicon oxide layers.

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6. (FOUR TIMES AMENDED) A method for forming within a silicon semiconductor substrate employed within an integrated circuit microelectronics fabrication a silicon oxide dielectric field oxide (FOX) isolation layer comprising:

providing a silicon semiconductor substrate;

forming upon the silicon semiconductor substrate a silicon oxide pad oxide layer; forming upon the silicon oxide pad oxide layer a patterned silicon nitride mask layer;

oxidizing the silicon substrate locally at a first temperature of at least above 1100 degrees centigrade, through the patterned silicon nitride mask layer to form silicon oxide dielectric field oxide (FOX) isolation layers which prevent out-diffusion of nitrogen



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species from the silicon nitride mask layer, thereby minimizing formation of silicon oxynitride inclusions within the silicon oxide layers; and

oxidizing the silicon substrate further at a second temperature no greater than 1100 degrees centigrade as desired to form greater thickness of silicon oxide layers.